

### **ABSTRACT**

A casing unit (8) with built-in ionizer (7) and blower (21) is integrated with a control panel (6) so as to emit plus ions and minus ions into an outside-refrigerator living space around the front side of the refrigerator, and an ionized air discharge port (11) is disposed in  
5 the front side thereof, whereby suspended bacteria in the outside-refrigerator living space are sterilized to provide a hygienic living space. Concurrently, suspended bacteria intruding into the inside of the refrigerator from the outside when the door is opened can be excluded to realize a hygienic inside-refrigerator environment.